FIG.1

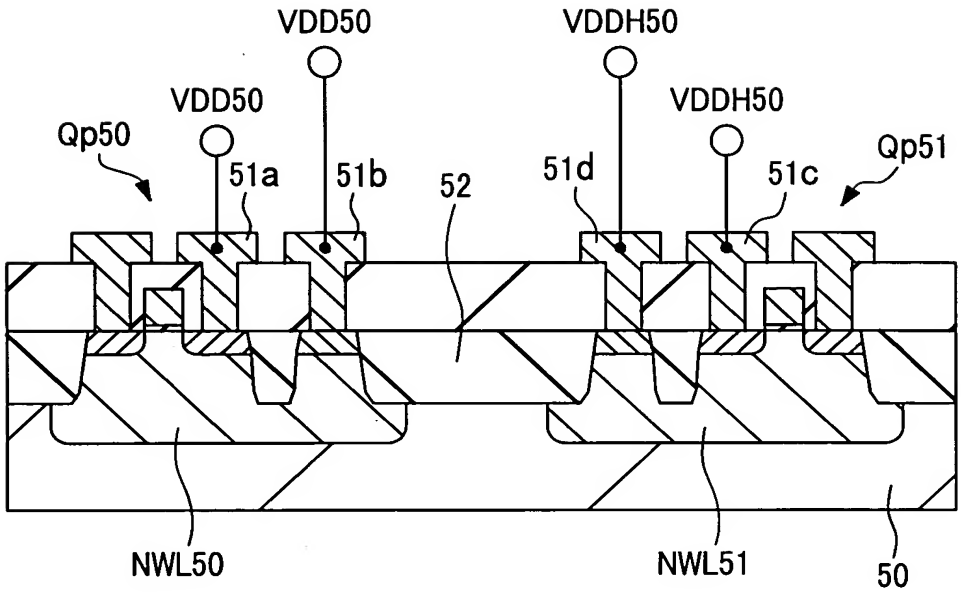

VDD50
VDDH50
VDD50
VDDH50
Qp50
Qp51
51a
51b
52
51d
51c
NWL50
NWL51
50

FIG.2

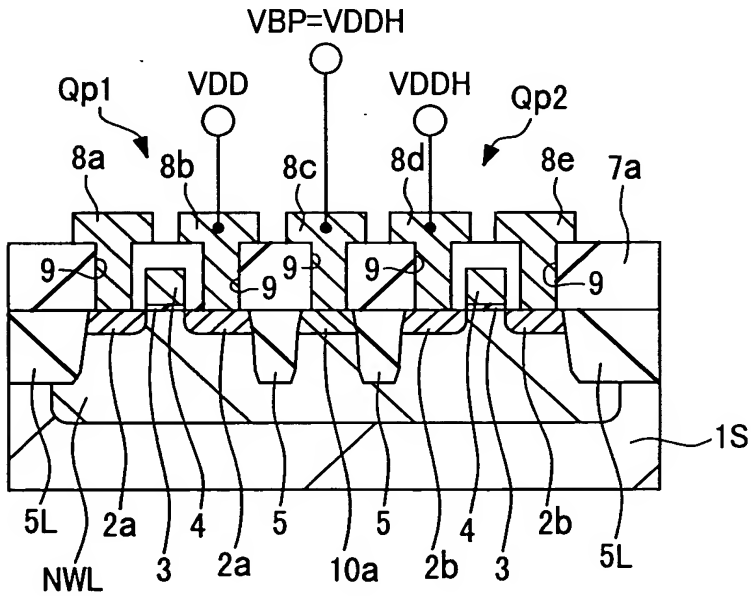

VBP=VDDH
Qp1
VDD
VDDH
Qp2
8a
8b
8c
8d
8e
7a
9
1S
5L
2a
4
5
10a
2b
3
NWL

FIG.3

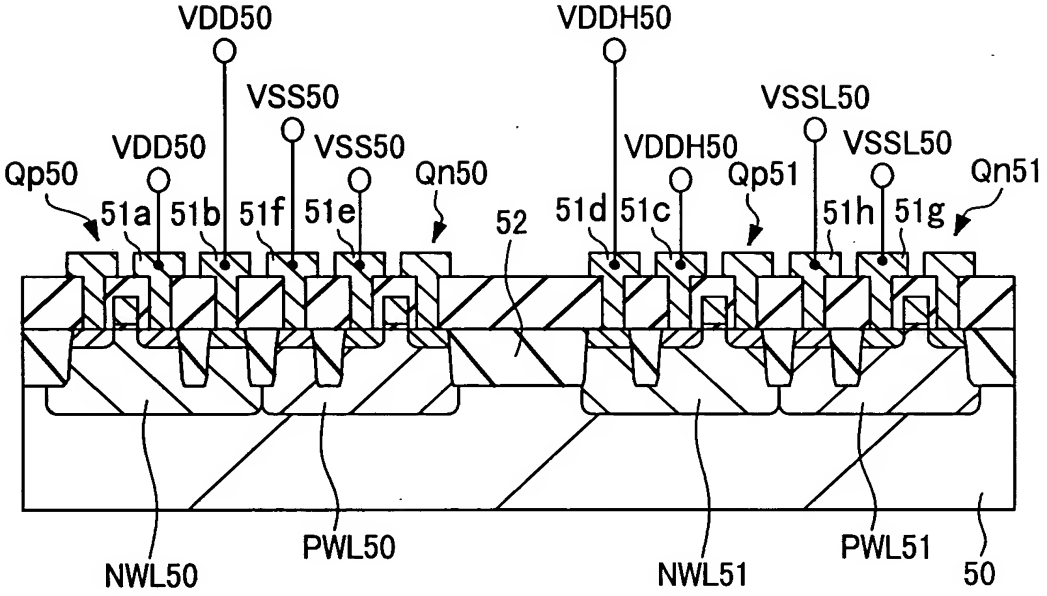

VDD50
VDDH50
VSS50
VSSL50
VDD50
VSS50
VDDH50
VSSL50
Qp50
Qn50
Qp51
Qn51
51a
51b
51f
51e
52
51d
51c
51h
51g
NWL50
PWL50
NWL51
PWL51
50

FIG.4

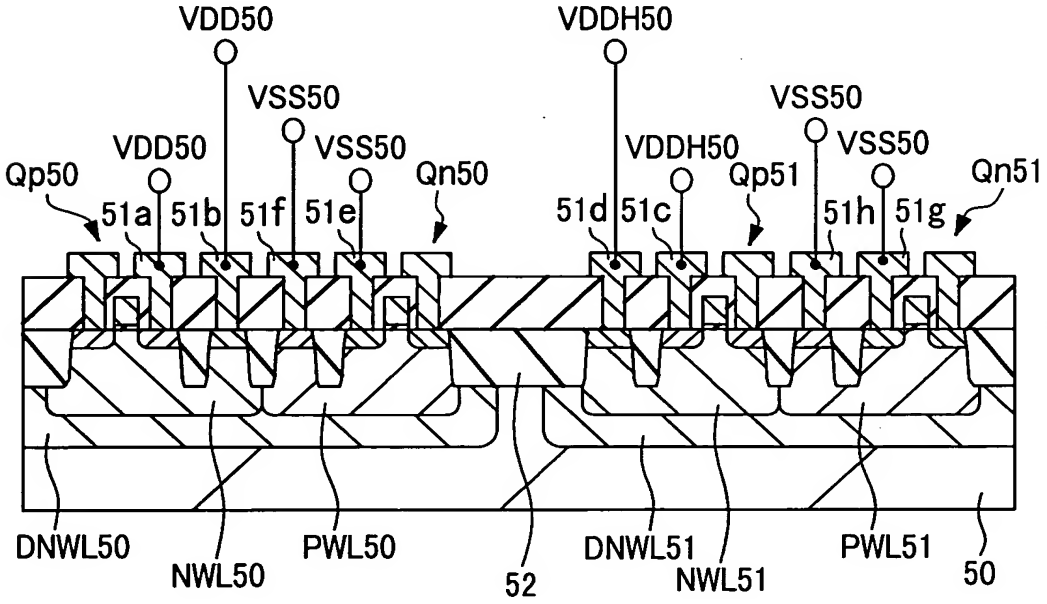

VDD50
VDDH50
VSS50
VSS50
VDD50
VSS50
VDDH50
VSS50
Qp50
Qn50
Qp51
Qn51
51a
51b
51f
51e
51d
51c
51h
51g
DNWL50
NWL50
PWL50
52
DNWL51
NWL51
PWL51
50

FIG.5

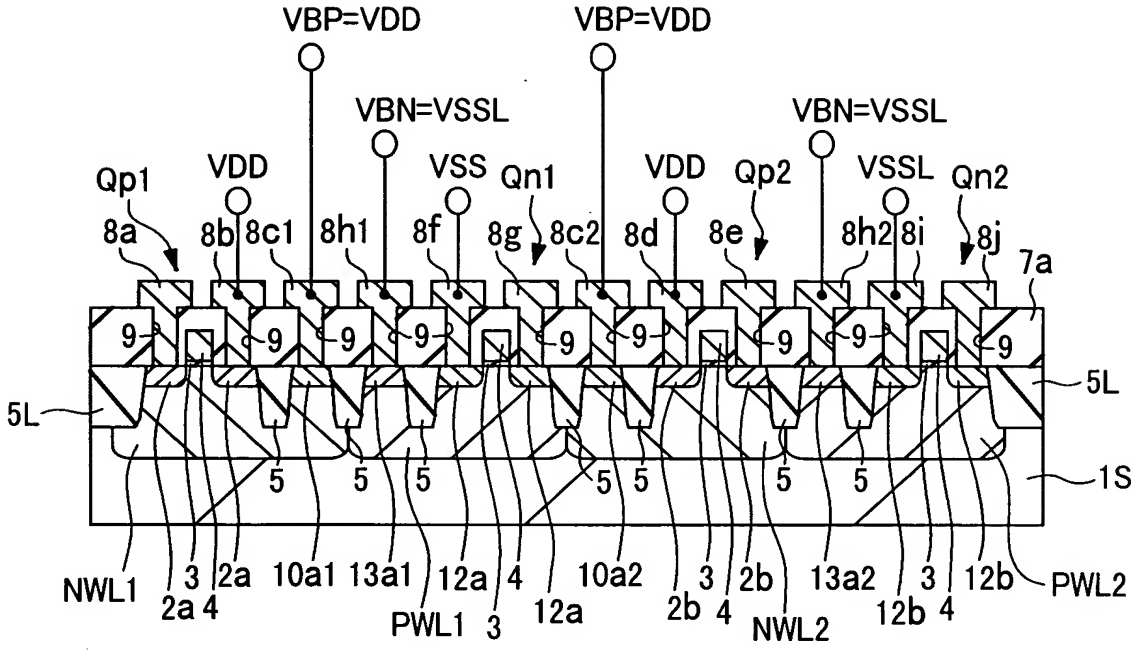

VBP=VDD
VBP=VDD
VBN=VSSL
VBN=VSSL
Qp1
VDD
VSS
Qn1
VDD
Qp2
VSSL
Qn2
8a
8b
8c1
8h1
8f
8g
8c2
8d
8e
8h2
8i
8j
7a
9
5L
5L
1S
5
NWL1
2a
3
4
2a
10a1
13a1
PWL1
12a
3
4
12a
10a2
2b
3
4
2b
NWL2
13a2
12b
3
4
12b
PWL2

FIG.6

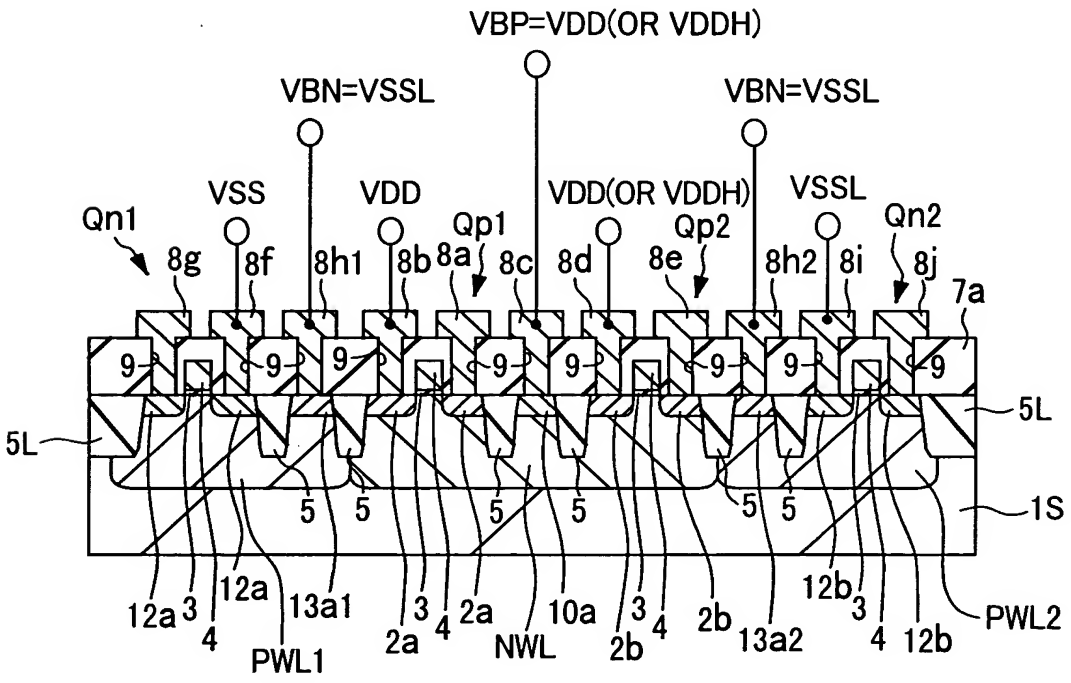

VBP=VDD(OR VDDH)
VBN=VSSL
VBN=VSSL
Qn1
VSS
VDD
Qp1
VDD(OR VDDH)
Qp2
VSSL
Qn2
8g
8f
8h1
8b
8a
8c
8d
8e
8h2
8i
8j
7a
9
5L
5L
1S
5
12a
3
4
12a
PWL1
13a1
3
4
2a
2a
NWL
10a
3
4
2b
2b
13a2
12b
3
4
12b
PWL2

FIG.7

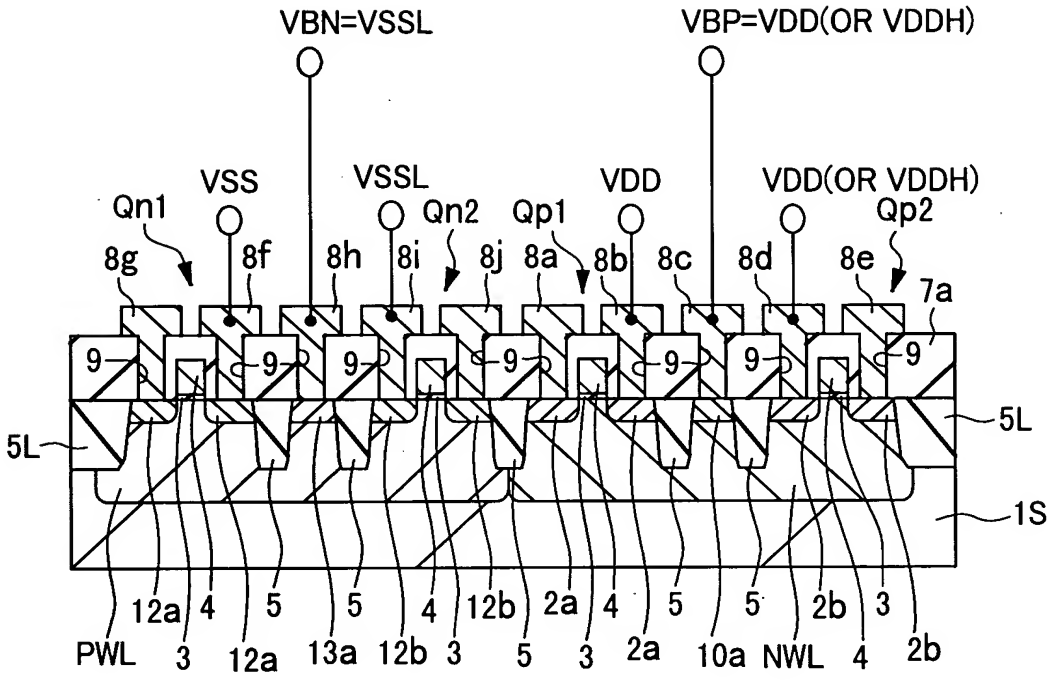

VBN=VSSL
VBP=VDD(OR VDDH)
VSS
VSSL
VDD
VDD(OR VDDH)
Qn1
Qn2
Qp1
Qp2
8g
8f
8h
8i
8j
8a
8b
8c
8d
8e
7a
9
5L
1S
PWL
12a
3
4
5
13a
12b
2a
10a
NWL
2b

FIG.8

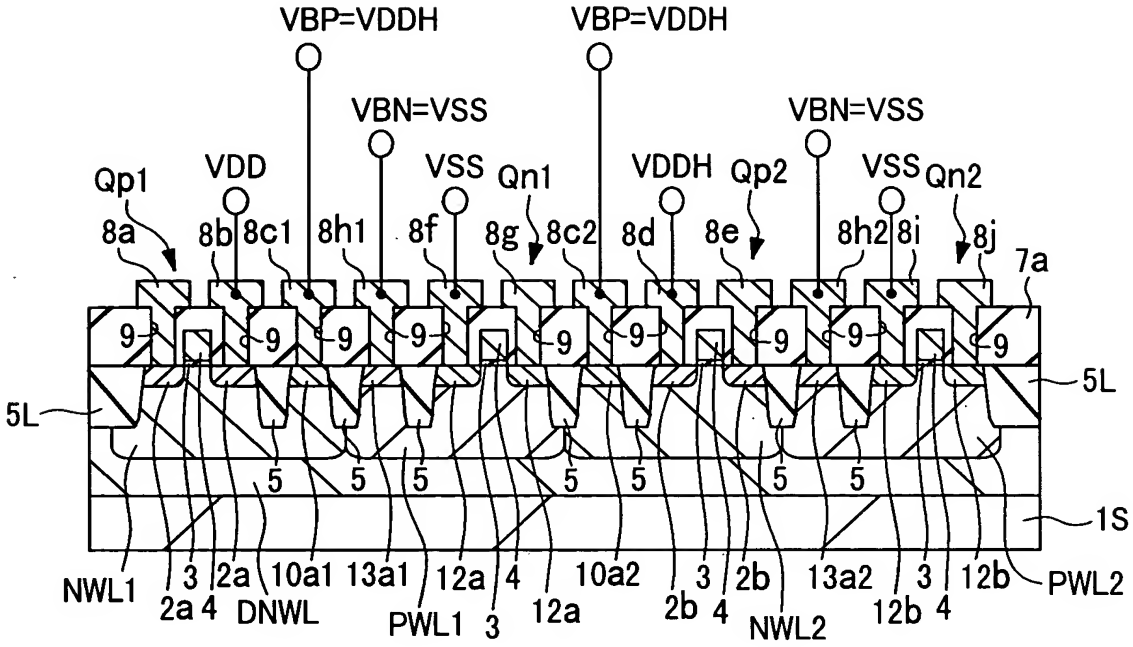

VBP=VDDH
VBP=VDDH
VBN=VSS
VBN=VSS
Qp1
VDD
VSS
Qn1
VDDH
Qp2
VSS
Qn2
8a
8b
8c1
8h1
8f
8g
8c2
8d
8e
8h2
8i
8j
7a
9
5L
5
1S
NWL1
2a
3
4
DNWL
10a1
13a1
PWL1
12a
10a2
2b
NWL2
13a2
12b
PWL2

FIG.9

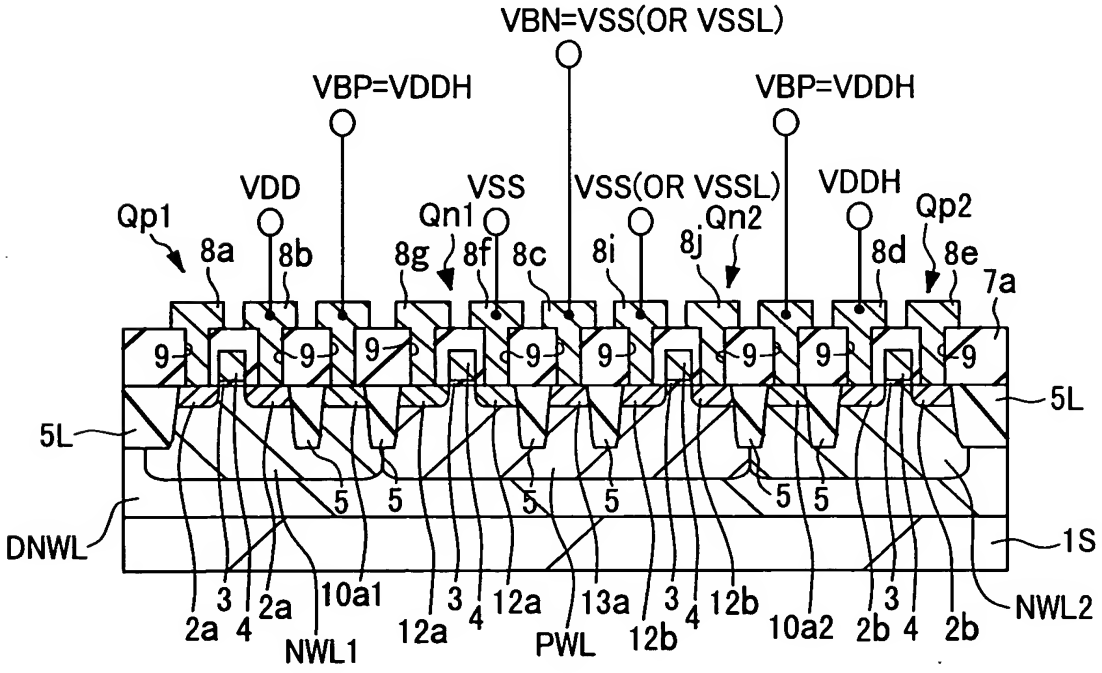

VBN=VSS(OR VSSL)
VBP=VDDH
VBP=VDDH
VDD
VSS
VSS(OR VSSL)
VDDH
Qp1
Qn1
Qn2
Qp2
8a
8b
8g
8f
8c
8i
8j
8d
8e
7a
9
5L
5
DNWL
1S
2a
3
4
10a1
NWL1
12a
13a
PWL
12b
10a2
2b
NWL2

FIG.10

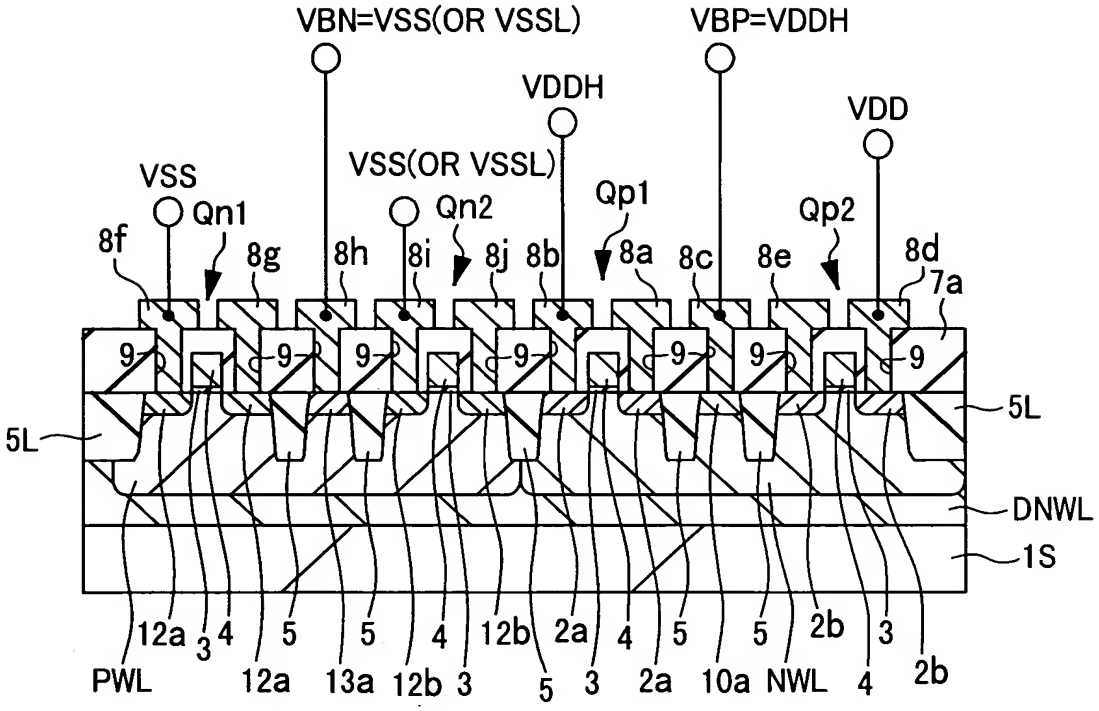

VBN=VSS(OR VSSL)
VBP=VDDH
VDDH
VDD
VSS
VSS(OR VSSL)
Qn1
Qn2
Qp1
Qp2
8f
8g
8h
8i
8j
8b
8a
8c
8e
8d
7a
9
5L
DNWL
1S
PWL
12a
3
4
5
13a
12b
2a
10a
NWL
2b

FIG.11

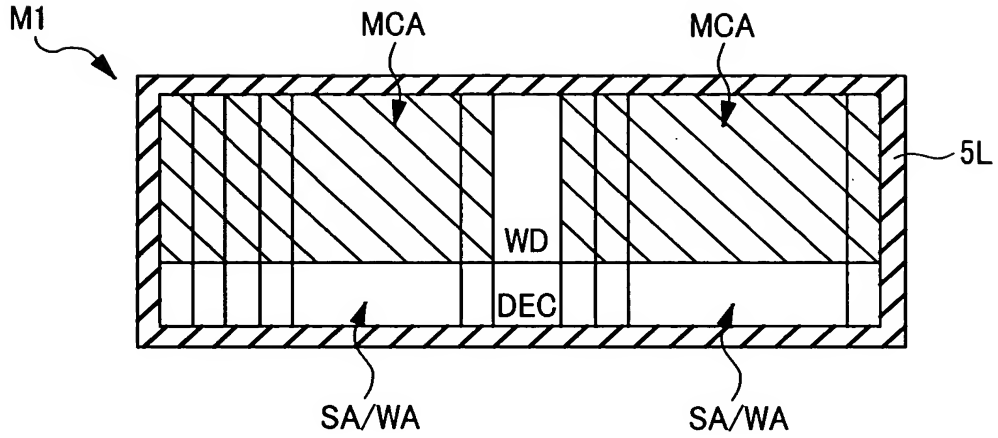


FIG.12

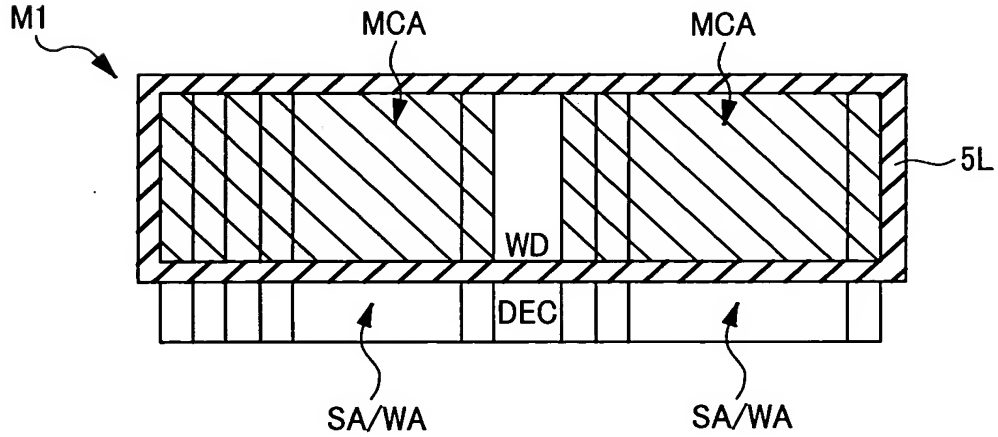


FIG.13

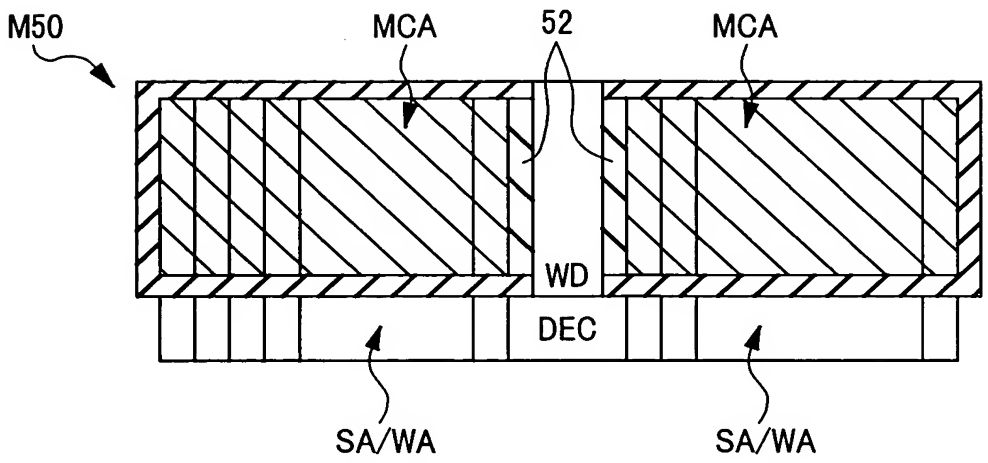

M50
MCA
52
MCA
WD
DEC
SA/WA
SA/WA

FIG.14

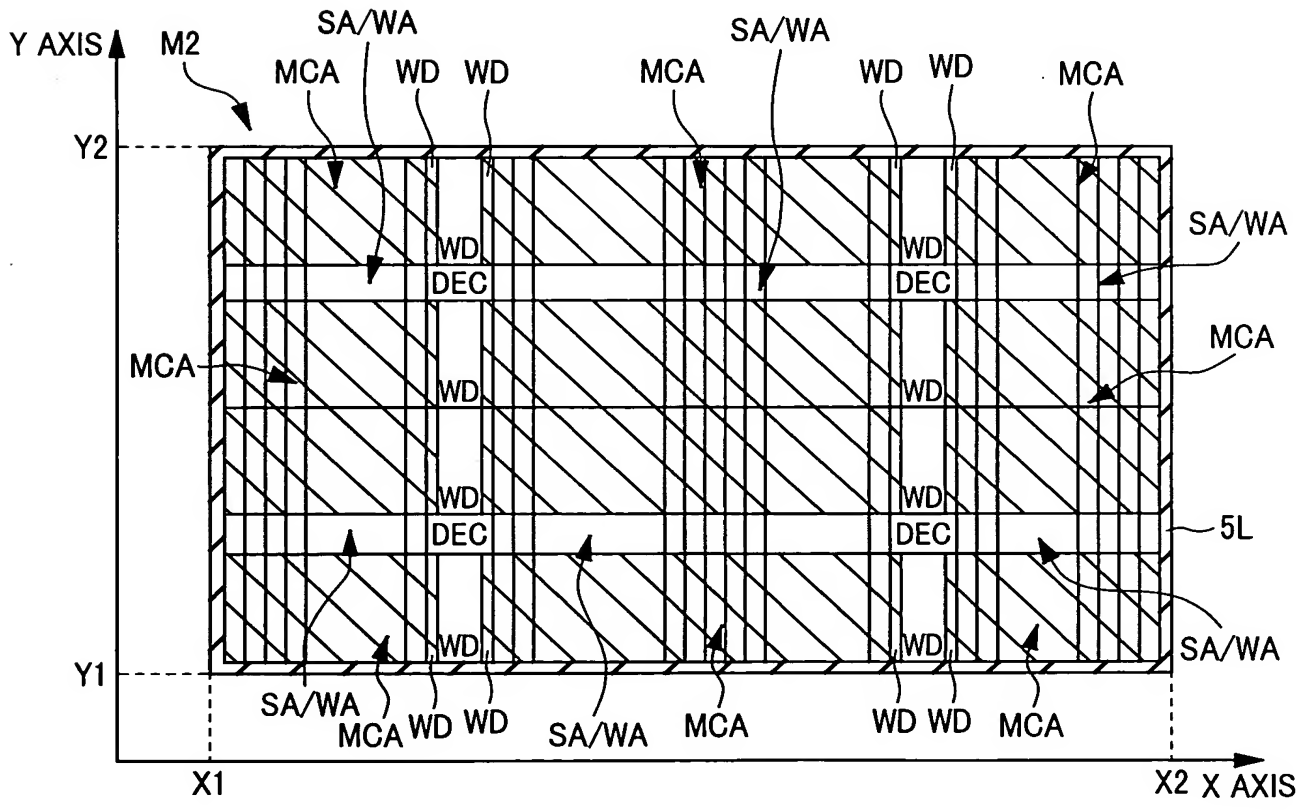

Y AXIS
M2
SA/WA
MCA
WD
WD
MCA
SA/WA
WD
WD
MCA
Y2
SA/WA
WD
DEC
WD
DEC
MCA
MCA
WD
WD
WD
WD
5L
DEC
DEC
WD
WD
SA/WA
Y1
SA/WA
MCA
WD
WD
SA/WA
MCA
WD
WD
MCA
X1
X2
X AXIS

FIG.15

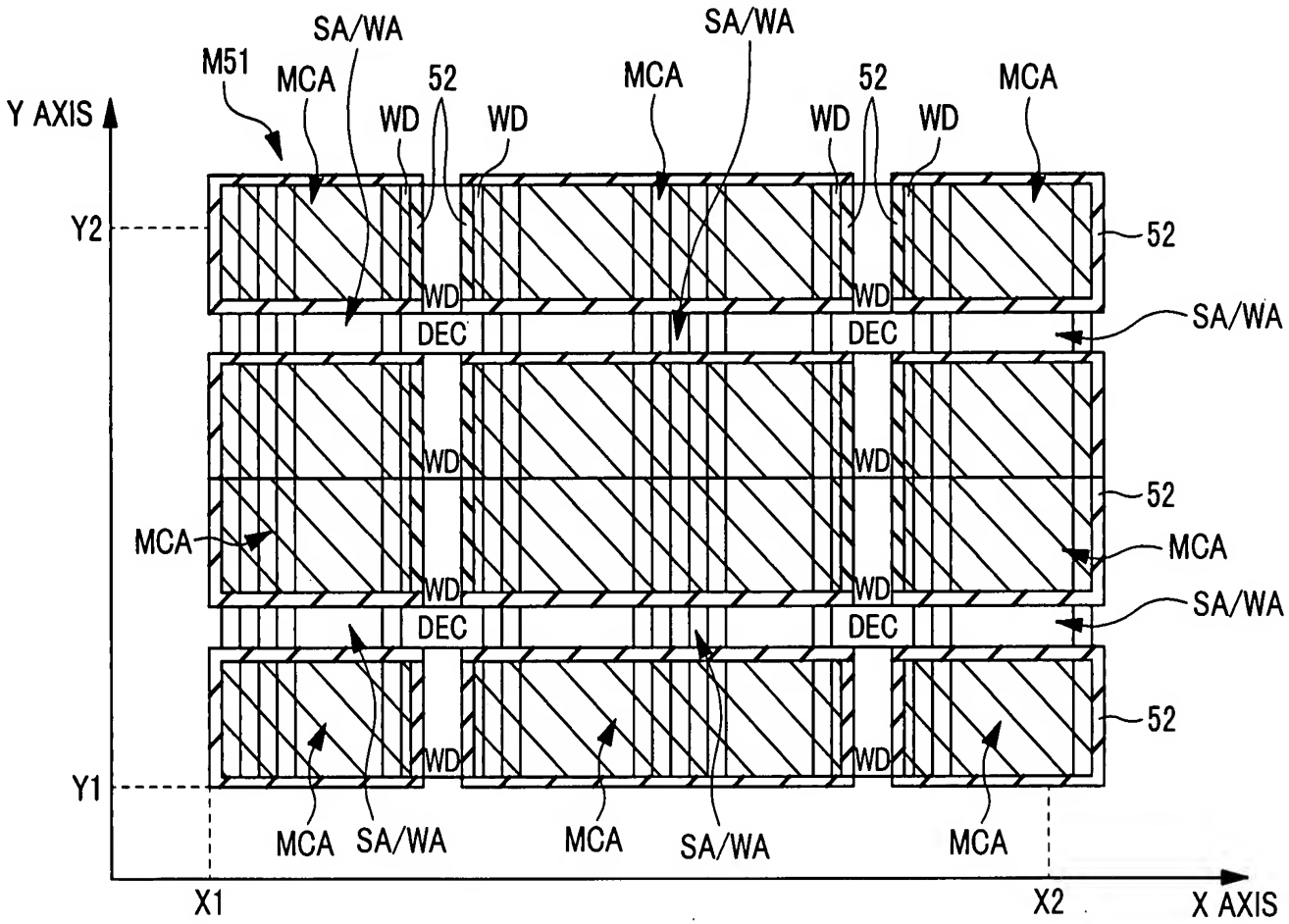


FIG.16

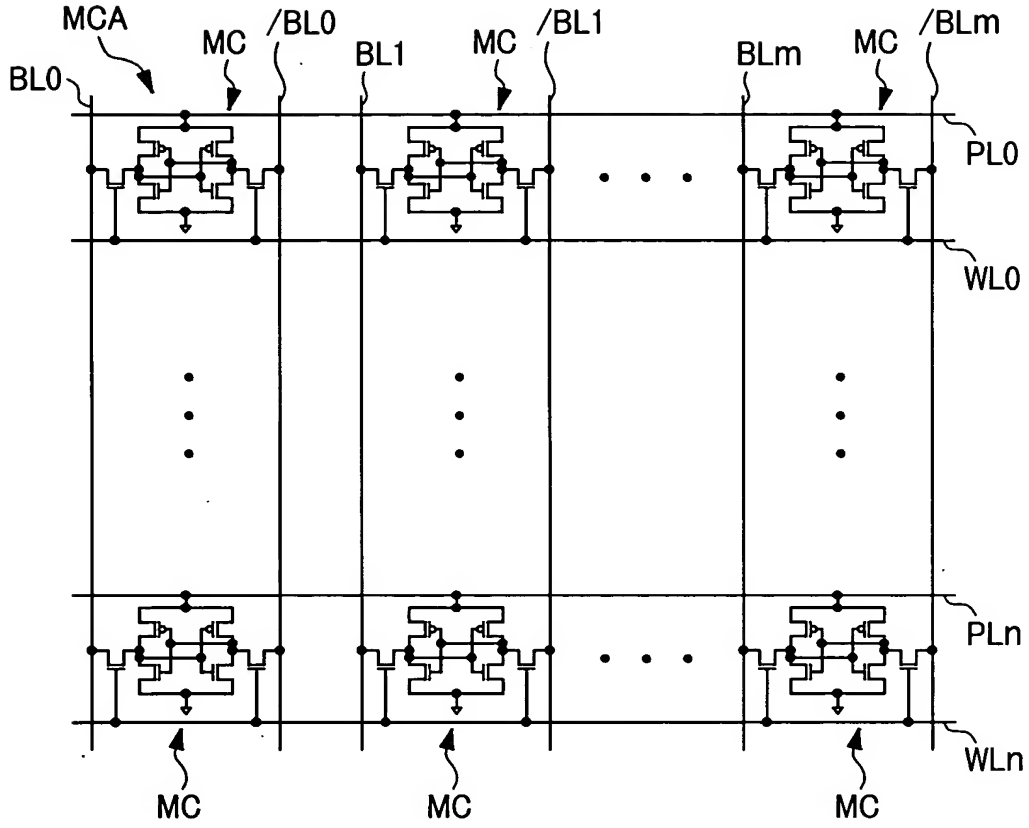

MCA
MC
/BL0
BL1
MC
/BL1
BLm
MC
/BLm
BL0
PL0
WL0
PLn
WLn
MC
MC
MC

FIG.17

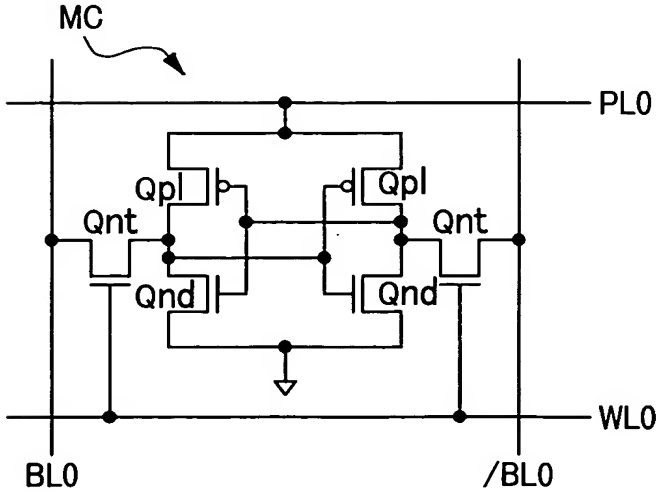

MC
PL0
Qpl
Qpl
Qnt
Qnt
Qnd
Qnd
WL0
BL0
/BL0

FIG.18

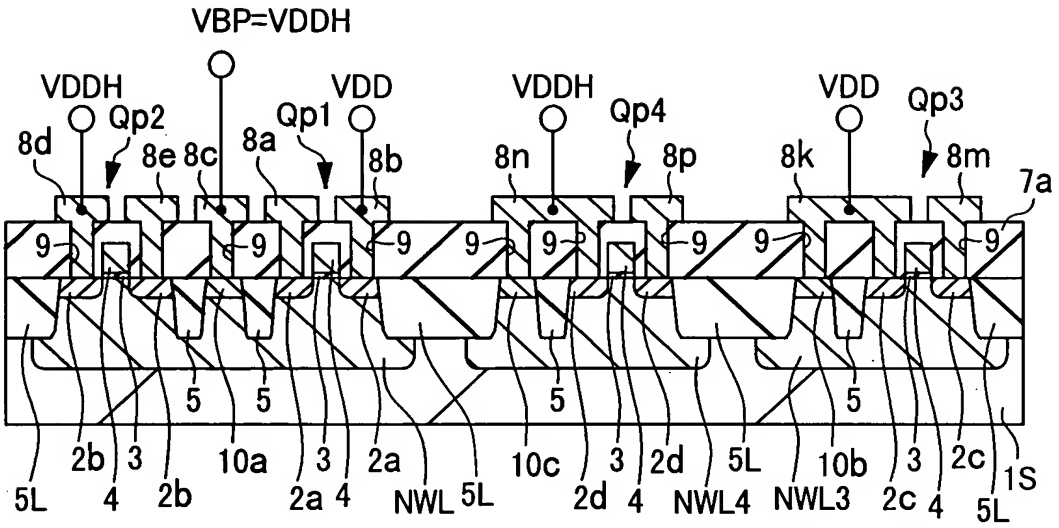

VBP=VDDH
VDDH
Qp2
VDD
Qp1
VDDH
Qp4
VDD
Qp3
8d
8e
8c
8a
8b
8n
8p
8k
8m
7a
9
5
5L
2b
4
3
2b
10a
2a
NWL
10c
2d
NWL4
NWL3
10b
2c
1S

FIG.19

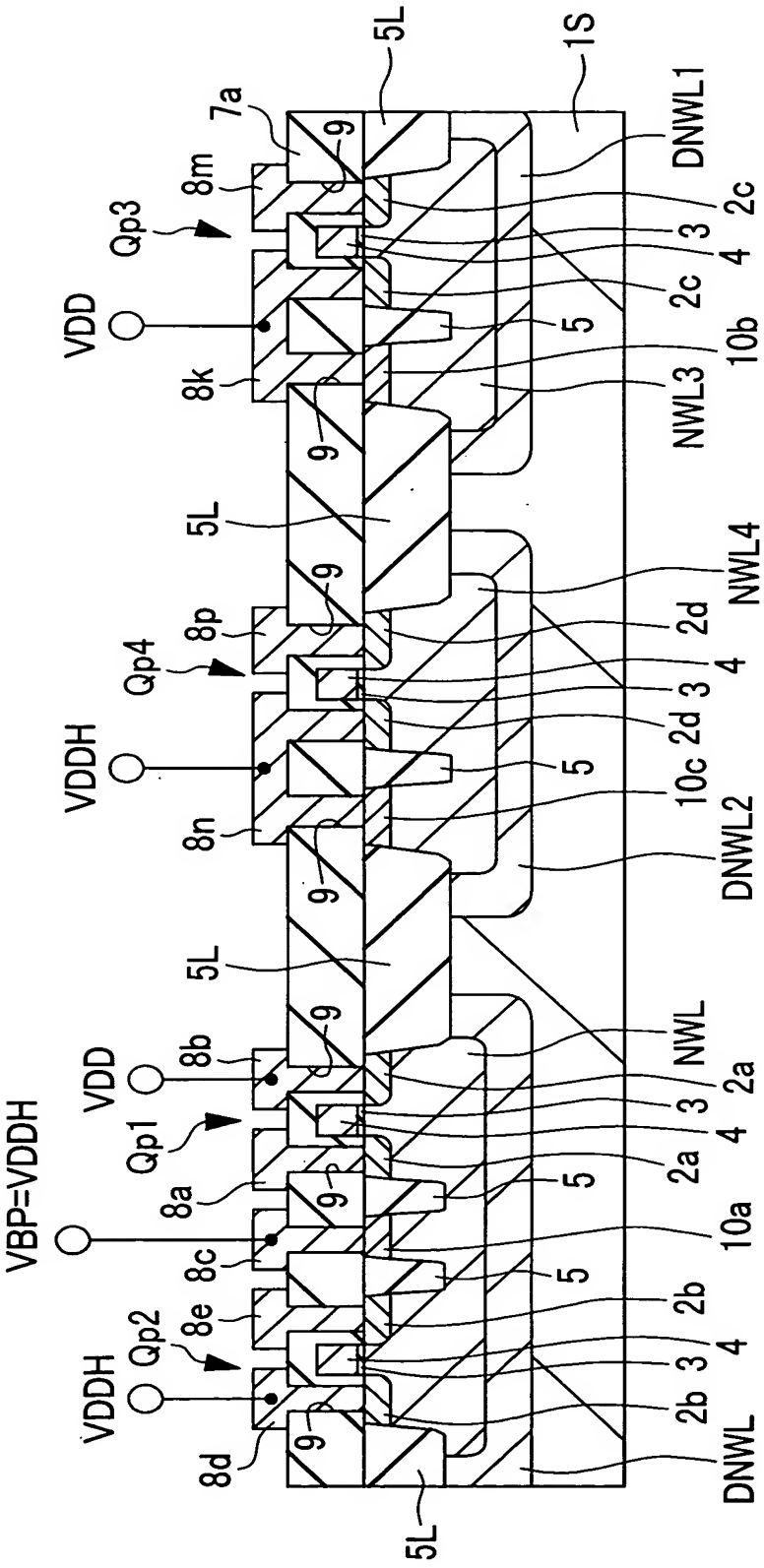

VBP=VDDH
VDDH
VDD
VDDH
VDD
Qp2
Qp1
Qp4
Qp3
8d
8e
8c
8a
8b
8n
8p
8k
8m
7a
5L
9
1S
DNWL
DNWL2
DNWL1
NWL
NWL4
NWL3
2a
2b
2c
2d
3
4
5
10a
10b
10c

FIG.20

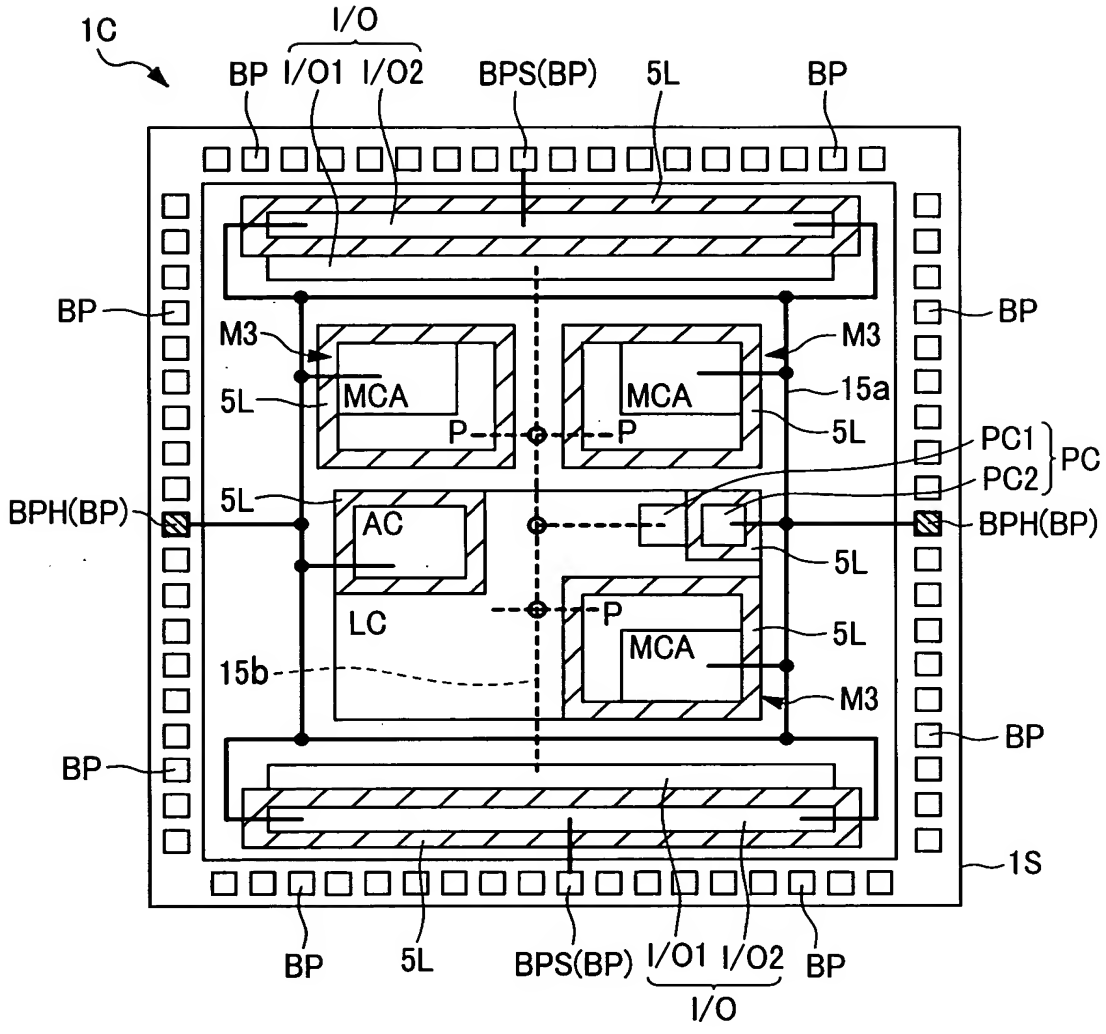
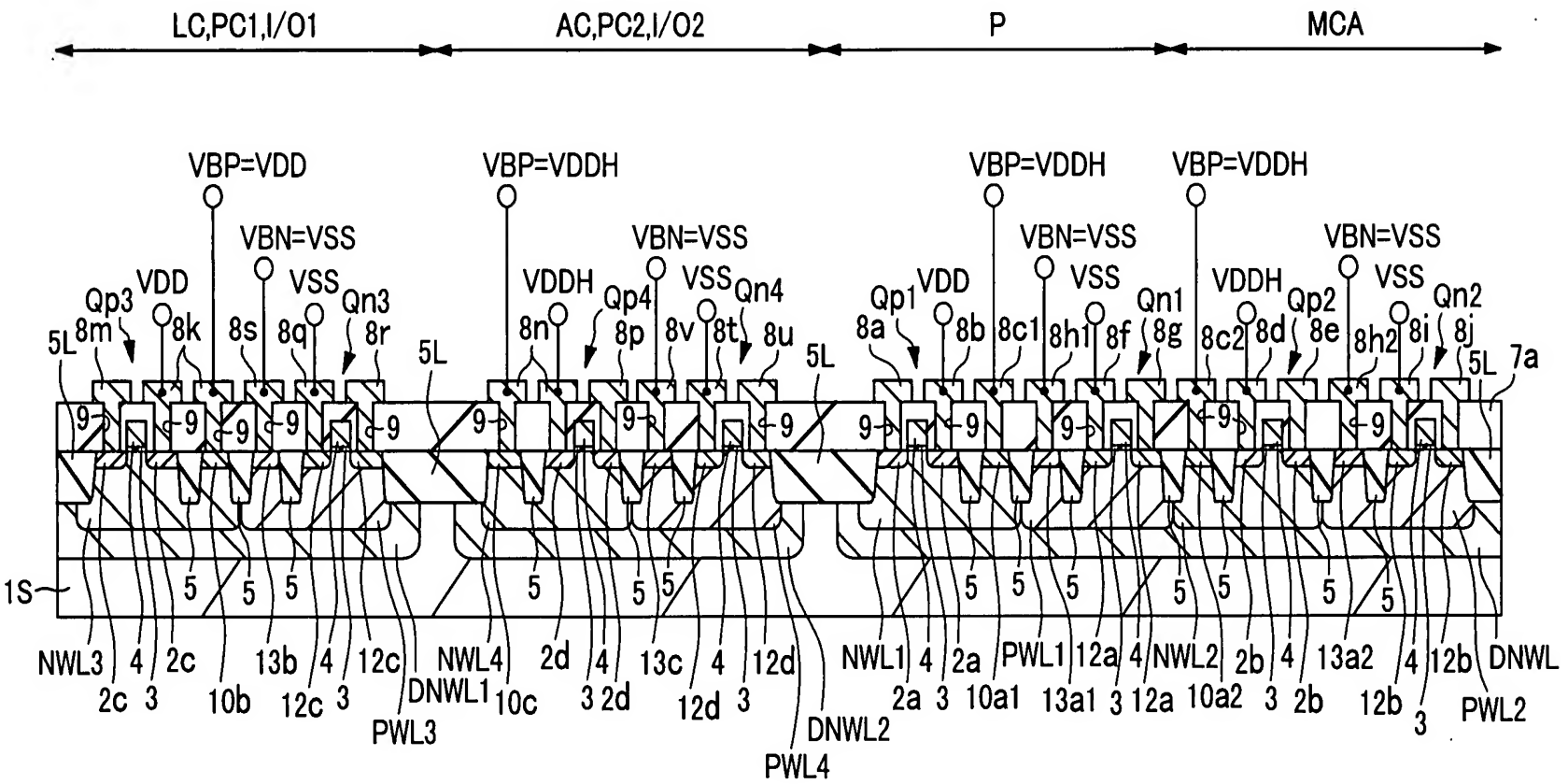

1C
I/O
BP
I/O1
I/O2
BPS(BP)
5L
BP
BP
M3
MCA
5L
P
P
MCA
M3
15a
5L
PC1
PC2
PC
BPH(BP)
5L
AC
BPH(BP)
5L
LC
P
MCA
5L
15b
M3
BP
BP
1S
BP
5L
BPS(BP)
I/O1
I/O2
BP
I/O

FIG.21


LC,PC1,I/O1
AC,PC2,I/O2
P
MCA
VBP=VDD
VBP=VDDH
VBP=VDDH
VBP=VDDH
VBN=VSS
VBN=VSS
VBN=VSS
VBN=VSS
VDD
VSS
VDDH
VDD
VSS
VDDH
VSS
Qp3
Qn3
Qp4
Qn4
Qp1
Qn1
Qp2
Qn2
5L
8m
8k
8s
8q
8r
8n
8p
8v
8t
8u
8a
8b
8c1
8h1
8f
8g
8c2
8d
8e
8h2
8i
8j
7a
9
1S
5
NWL3
2c
4
3
2c
10b
13b
12c
4
3
12c
PWL3
DNWL1
NWL4
10c
2d
3
4
2d
13c
12d
4
3
12d
PWL4
DNWL2
NWL1
2a
4
3
2a
10a1
PWL1
13a1
12a
3
4
12a
NWL2
10a2
2b
3
4
2b
13a2
12b
4
3
12b
PWL2
DNWL